

EAST - [default.wsp:1] File View Edit Tools Window Help

Drafts Pending Active

- ✓ L1: (40) (demux\$3 or demultiplex\$3 or demodulat\$3) same pars\$3 same (descriptor\$3 or descript\$4)...
- ✓ L2: (155) (demux\$3 or demultiplex\$3 or demodulat\$3) same (spars\$3 or split\$3 or separat\$3) same...
- ✓ L3: (4538) (decompressors or decoders) same video\$3
- ✓ L4: (1673) (decompressors or decoders) same video\$3 same audio\$3
- ✓ L5: (7) 2 and 4
- ✓ L6: (21) (decompressors or decoders) same spars\$3
- ✓ L7: (43175) (decompressors or decoders)
- ✓ L8: (53) 2 and 7
- ✓ L9: (27) ((demux\$3 or demultiplex\$3 or demodulat\$3) same (spars\$3 or split\$3 or separat\$3) same (...)

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- ✓ (3185) (inter with (image\$1 or frame\$1 or picture\$1)) same (predict\$ or compensat\$3)
- ✓ (201) transcod\$3 same (re adj2 (encod\$3 or compress\$3))
- ✓ (29) ((inter with (image\$1 or frame\$1 or picture\$1)) same (predict\$ or compensat\$3)) and (transc...
- ✓ (19) (inter with (image\$1 or frame\$1 or picture\$1)) same (predict\$ or compensat\$3) same transcod\$5

Search Log Power Queue DEI USPAIR Bulk Default Operator Highlight all hit terms initially

(demux\$3 or demultiplex\$3 or demodulat\$3) same (spars\$3 or split\$3 or separat\$3) same (descriptor\$3 or descript\$4) same (decod\$3 or decompress\$3) same (combin\$4 or compos\$5)

ABR... ABR... 12... 12... 12... 12...

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2	<input type="checkbox"/>	<input type="checkbox"/>	US	20030724	12	Methods and apparatus for	455/456.1	455/451;		Alexander, William	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	<input type="checkbox"/>	<input type="checkbox"/>	US	20030116	26	Method and system for	725/62	455/454;		Williams, Marvin Lynn	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	<input type="checkbox"/>	<input type="checkbox"/>	US	20020829	59	Mobile communication	455/69	455/452.2		Hamabe, Kojiro	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	<input type="checkbox"/>	<input type="checkbox"/>	US	20020321	41	Digital contents distribution	725/1			Inoue, Hiroshi et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	<input type="checkbox"/>	<input type="checkbox"/>	US 6567475	20030520	36	Method and system for the	375/286			Dent, Paul W. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	<input type="checkbox"/>	<input type="checkbox"/>	US 6535919	20030318	27	Verification of image data	709/229	705/51;		Inoue, Hiroshi et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	<input type="checkbox"/>	<input type="checkbox"/>	US 6493008	20021210	27	Multi-screen display system	345/840			Yui, Hideaki	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	<input type="checkbox"/>	<input type="checkbox"/>	US 6330034	20011211	20	Color phase-locked loop for	348/536	348/505;		Renner, Karl et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	<input type="checkbox"/>	<input type="checkbox"/>	US 6304581	20011016	10	Interleaving method and	370/479	370/320;		Chen, Jiangnan et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11	<input type="checkbox"/>	<input type="checkbox"/>	US 6134373	20001017	48	System for recording and	386/9	386/33		Strolle, Christopher	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Active

- ↳ L1: (327) (demux or demultiplex\$3 or demodulat\$3 or spars\$3) same (VO\$1 or VOP\$1) same (decod\$3...
- ↳ L2: (0) descriptor\$3 same (decoders or decompressors)
- ↳ L4: (1) 1 and 3
- ↳ L5: (3) (demux or demultiplex\$3 or demodulat\$3 or spars\$3) same (VO\$1 or VOP\$1) same (decod\$3 or...
- ↳ L6: (2930) (demux or demultiplex\$3 or demodulat\$3 or spars\$3) same (VO\$1 or VOP\$1)
- ↳ L7: (1) 3 and 6
- ↳ L3: (54) descriptor\$3 same (decoders or decompressors)
- ↳ L8: (13) descriptor\$3 same (decoders or decompressors) same compos\$5
- ↳ L9: (14) (demux or demultiplex\$3 or demodulat\$3 or spars\$3) same (VO\$1 or VOP\$1) same (decod\$3 o...
- ↳ L10: (1560) (demux or demultiplex\$3 or demodulat\$3 or spars\$3) same (decod\$3 or decompress\$3) sa...
- ↳ L11: (194) (demux or demultiplex\$3 or demodulat\$3 or spars\$3) same (decod\$3 or decompress\$3) sam...
- ↳ L12: (13) (demux or demultiplex\$3 or demodulat\$3 or spars\$3) same (decod\$3 or decompress\$3) same...
- ↳ L13: (76) (decod\$3 or decompress\$3) same descriptor\$5 same (combi\$5 or compos\$5)
- ↳ L14: (194) (demux or demultiplex\$3 or demodulat\$3 or spars\$3) same (decod\$3 or decompress\$3) sam...
- ↳ L15: (43134) (decoders or decompressors)
- L16: (45) 14 and 15**

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Search 14 and 15

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Document	Issue Date	Page	Title			Current	Current	XR	Retrieval	Inventor	S	C	P	3	4
1	US 20030918	19	PROTO implementation in MPEG-4			717/106				Lifshitz, Zvi	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	US 20030703	10	Apparatus for receiving MPEG-4			375/240.08	375/240.26			Lee, Sang-Rae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	US 20030605	19	Apparatus and method for MPEG-4			375/340	375/324			Kim, Min-Goo et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	US 20030424	8	Motion information coding			375/240.12				Bottreau, Vincent et	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	US 20030410	10	Supplemental data path for			348/569	725/151			Shintani, Peter Rae et	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	US 20030306	21	Intelligent fabric			370/395.21	370/395.64			Tinsley, David et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	US 20030306	15	Systems and methods for			345/762				Tinsley, David et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	US 20030227	19	Systems and method for			709/231	709/204;			Tinsley, David et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	US 20030213	28	Method and apparatus for			375/147	375/150			Dahlman, Erik et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

US-PAT-NO: 6202188

DOCUMENT-IDENTIFIER: US 6202188 B1

TITLE: Data transmission device

----- KWIC -----

Detailed Description Text - DETX (11):

Next, the description will be given with reference to FIG. 2.

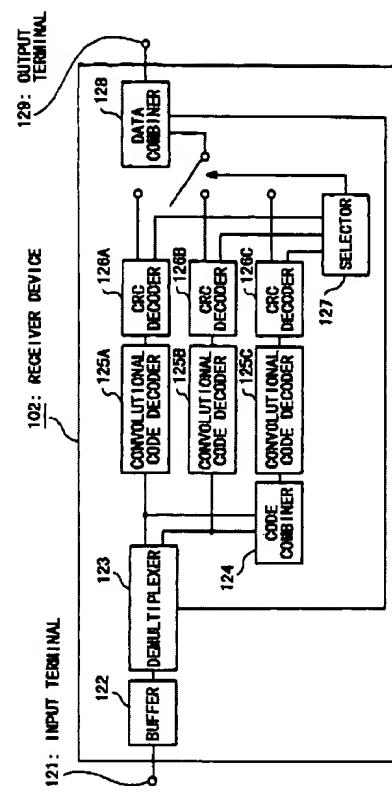
The data outputted from the transmitter device 102 is transmitted to an input terminal 121 of the receiver device 102.

thus

	Document	I	Kind	Code	Source	Issue	D	Pages
29	US 6380969				USPAT	2002043	25	
30	US 6330034				USPAT	2001121	20	
31	US 6202188				USPAT	2001031	38	
32	US 6185602				USPAT	2001020	15	
33	US 6092107				USPAT	2000071	14	
34	US 5987214				USPAT	1999111	23	
35	US 5754599				USPAT	1998051	9	
36	US 5649318				USPAT	1997071	18	
37	US 5410601				USPAT	1995042	55	
38	US 5333155				USPAT	1994072	12	
39	US 4651208				USPAT	1987031	13	
40	US 4451916				USPAT	1984052	99	
41	US 4334125				USPAT	1982060	9	
42	US 4191858				USPAT	1980030	11	
43	US 4005274				USPAT	1977012	15	
44	EP 933939	A1.	A4		EPO	1999080	51	
45	NA84034959				IBM TD	1984030	2	
46	KR 2001076				DERWEN	2002101	1	

U.S. Patent Mar. 13, 2001 Sheet 2 of 22 US 6,202,188 B1

FIG. 2



US-PAT-NO: 6092107

DOCUMENT-IDENTIFIER: US 6092107 A

TITLE: System and method for
audiovisual objects permitting adap-

----- KWIC -----

The invention provides a system and method for nonadaptive system for playing/browsing code.

Document	I	Kind	Code	Source	Issue	D	Pages
29	US 6380969			USPAT	2002043	25	
30	US 6330034			USPAT	2001121	20	
31	US 6202188			USPAT	2001031	38	
32	US 6185602			USPAT	2001020	15	
33	US 6092107			USPAT	2000071	14	
34	US 5987214			USPAT	1999111	23	
35	US 5754599			USPAT	1998051	9	
36	US 5649318			USPAT	1997071	18	
37	US 5410601			USPAT	1995042	55	
38	US 5333155			USPAT	1994072	12	
39	US 4651208			USPAT	1987031	13	
40	US 4451916			USPAT	1984052	99	
41	US 4334125			USPAT	1982060	9	
42	US 4191858			USPAT	1980030	11	
43	US 4005274			USPAT	1977012	15	
44	EP 933939	A1. A4		EPO	1999080	51	
45	NA84034959			IBM TD	1984030	2	
46	KR 2001076			DERWEN	2002101	1	

U.S. Patent

Jul. 18, 2000

Sheet 2 of 4

6,092,107

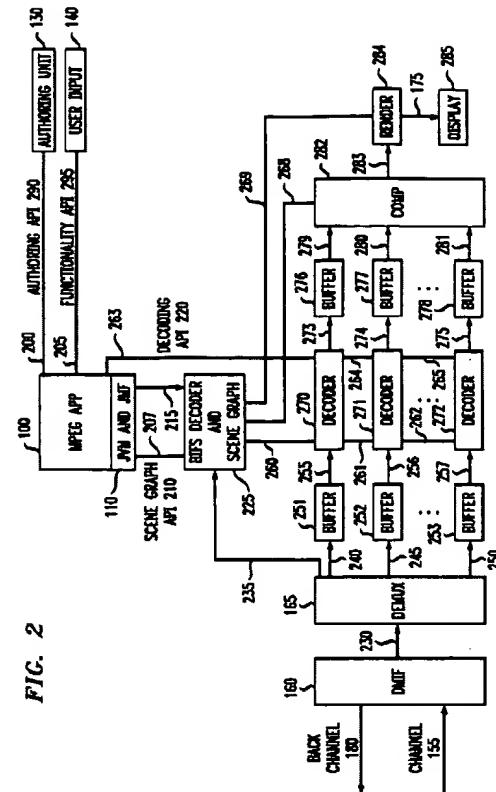
S. Patel

Jul. 18, 2000

Sheet 2 of 4

6,092,107

FIG. 2



DERWENT-ACC-NO:

1999-387323

DERWENT-WEEK:

200276

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TITLE: Decoding method for video image signals

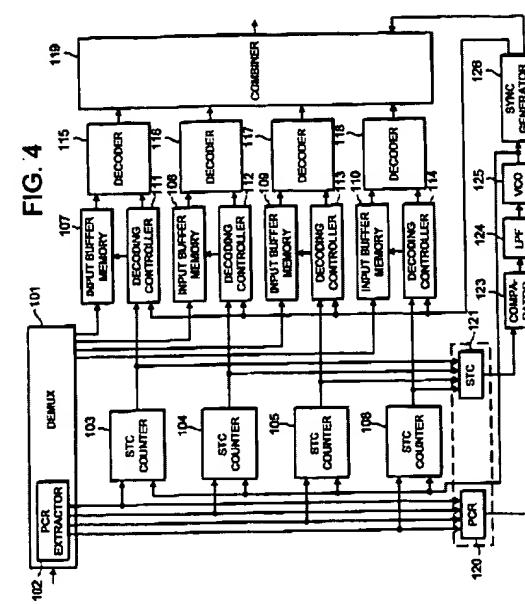
----- KWIC -----

Basic Abstract Text - ABTX (2):

DETAILED DESCRIPTION

	Document I	Kind Code	Source	Issue D	Pages
1	US 2003007		US-PPG	2003042	8
2	US 2002017		US-PPG	2002112	29
3	US 6567427		USPAT	2003052	46
4	US 5692104		USPAT	1997112	18
5	US 5596680		USPAT	1997012	18
6	US 5301197		USPAT	1994040	7
7	US 4601044		USPAT	1986071	25
8	US 4583236		USPAT	1986041	16
9	US 4337531		USPAT	1982062	7
10	US 4236140		USPAT	1980112	27
11	JP 1131332	JPO		1999110	
12	JP 1131331	JPO		1999110	
13	JP 1131331	DERWEN		1999110	
14	EP 924935	DERWEN		2002110	29

U.S. Patent Nov. 5, 2002 Sheet 4 of 16 US 6,477,204 B1



US-PAT-NO: 6535530

DOCUMENT-IDENTIFIER: US 6535530 B1

TITLE: Apparatus and method
data

----- KWIC -----

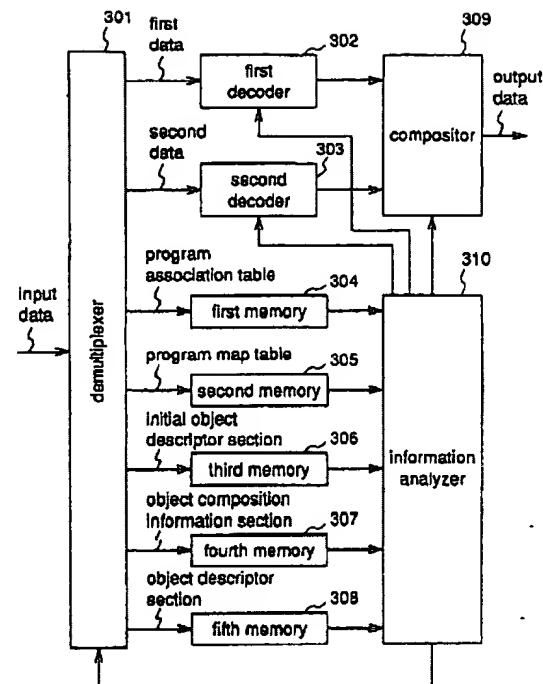
Detailed Description Text - DETX (4):

As shown in FIG. 1, the demultiplexing apparatus embodiment comprises a demultiplexer 301 which receives an input data stream in which a plurality of object data are

	Document I	Kind	Code	Source	Issue D	Pages
1	US 2003004			US-PGP	2003030	21
2	US 2003004			US-PGP	2003030	15
3	US 2003004			US-PGP	2003022	19
4	US 2002015			US-PGP	2002102	13
5	US 2001002			US-PGP	2001100	38
6	US 6577679			USPAT	2003061	49
7	US 6567427			USPAT	2003052	46
8	US 6535530			USPAT	2003031	13
9	US 6529526			USPAT	2003030	13
10	US 6404814			USPAT	2002061	43
11	US 6384821			USPAT	2002050	24
12	JP 2000299			JPO	2000102	
13	EP 933939	A1.	A4	EPO	1999080	51

U.S. Patent Mar. 18, 2003 Sheet 1 of 5 US 6,535,530 B1

Fig. 1



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File View Edit Tools Window Help

Active

- L1: (327) (demux or demultiplex\$3 or demodulat\$3 or spars\$3) same (VO\$1 or VOP\$1) same (decod\$3
- L2: (0) descriptor\$3 same (decoders or decompressors)
- L4: (1) 1 and 3
- L5: (3) (demux or demultiplex\$3 or demodulat\$3 or spars\$3) same (VO\$1 or VOP\$1) same (decod\$3 or
- L6: (2930) (demux or demultiplex\$3 or demodulat\$3 or spars\$3) same (VO\$1 or VOP\$1)
- L7: (1) 3 and 6
- L3: (54) descriptor\$3 same (decoders or decompressors)
- L8: (13) descriptor\$3 same (decoders or decompressors) same compos\$5

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DEF USPAT US PGPUB EPO Buchs

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descriptor\$3 same (decoders or decompressors) same compos\$5

U	1	Document	Issue Da	Page	Title	Current	Current XR	Retrieval	Inventor	S	C	P	3	I
1	<input type="checkbox"/>	US	20031030	9	Arrangement of images	348/222.1			Owens, James W. et	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	US	20030306	21	Intelligent fabric	370/395.21	370/395.64		Tinsley, David et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	US	20030306	15	Systems and methods for	345/762			Tinsley, David et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	US	20030227	19	Systems and method for	709/231	709/204;		Tinsley, David et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	US	20030123	9	Dynamic scene description	375/240.08	386/96		Westerink, Peter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	US	20021024	13	Video transmission and	375/240.01			Martin, Francois	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	US	20020725	47	Task concurrency	709/102			Catthoor, Francky et	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	US	20020228	12	System and method for	345/765			Eleftheriadis,	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	US	20011104	38	Transmission system,	709/202	370/254		Okura, Hirotugu	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	US	20010510	9	Terminal for composing and	715/500.1	709/102;		Rajan, Ganesh	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	US 6567427	20030520	46	Image signal multiplexing	370/535	345/419;		Suzuki, Teruhiko et	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	US 6404814	20020611	43	Transcoding method and	375/240.12	375/240.08		Apostolopoulos, John	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	EP 933939	19990804	51	METHOD AND SYSTEM				SUZUKI, TERUHIKO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUB-NO: EP000933939A1
DOCUMENT-IDENTIFIER: EP 933939 A1
TITLE: METHOD AND SYSTEM FOR
METHOD AND SYSTEM FOR DEMULTI
TRANSMISSION MEDIUM

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Abstract Text - FPAR (1):
CHG DATE=19990902 STATUS=Q> A scene descr

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1	US	2003020			US- PGP	2003103	9	
2	US	2003004			US- PGP	2003030	21	
3	US	2003004			US- PGP	2003030	15	
4	US	2003004			US- PGP	2003022	19	
5	US	2003001			US- PGP	2003012	9	
6	US	2002015			US- PGP	2002102	13	
7	US	2002009			US- PGP	2002072	47	
8	US	2002002			US- PGP	2002022	12	
9	US	2001002			US- PGP	2001100	38	
10	US	2001000			US- PGP	2001051	9	
11	US	6567427			USPAT	2003052	46	
12	US	6404814			USPAT	2002061	43	
13	EP	933939	A1.	A4	EPO	1999080	51	

(19)  Europäisches Patentamt
European Patent Office
Office européen des brevets

Barcode: 9781441155208

(12) **EUROPEAN PATENT APPLICATION**
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2002-03-04-05

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PCT/EP2002/00225

(87) International publication number:
WO 93/04662 (28.01.1993, Gazette 1993/04)

(84) Designated Contracting States:
AT BE CH DE ES FI FR GB IT LU N

(30) Priority: 18.07.1997 JP 193841

(71) Applicant: Sony Corporation
TOKYO 141-0001 (JP)

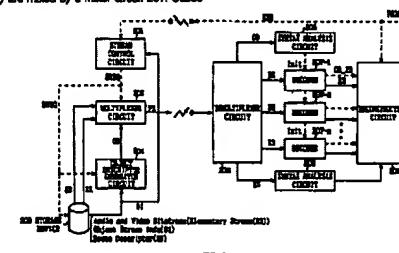
(72) Inventors:

- YAGABAICHI, Yoichiro,
Sony Corporation
Sakuramachi, Tukuba 305-0001, JAPAN

(74) Representative:
Meissner, Wolfgang, Dipl.-Ing. et al
Patentanwälte
Mitscherlich & Partner,
Sommerstrasse 33
80333 München (DE)

(54) METHOD AND SYSTEM FOR MULTIPLEXING IMAGE SIGNAL, METHOD AND SYSTEM FOR DEMULTIPLEXING IMAGE SIGNAL, AND TRANSMISSION MEDIUM

(57) A scene descriptor SD, object descriptors ODs and respective bitstreams BSs are separated by a demultiplexer circuit, and the respective bitstreams BSs are decoded by decoders 207-1 to 207-n. Within output data from the decoders, output data associated with the same object descriptor OD (output data comprising the same object) are recombined by a mixer circuit 211. Subsequently, the mixed output data is supplied to an object synthesizer circuit 271-1 of a synthesizer circuit 222, which is supplied with a corresponding mode data. Then, the object synthesizer circuit 271-1 corresponds one image to one object to perform texture mapping.



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L1: (327) (demux or demultiplex\$3 or demodulat\$3 or spars\$3) same (VO\$1 or
 L2: (0) descriptor\$3 same (decoders or decompressors)
 L4: (1) 1 and 3
 L5: (3) (demux or demultiplex\$3 or demodulat\$3 or spars\$3) same (VO\$1 or V
 L6: (2930) (demux or demultiplex\$3 or demodulat\$3 or spars\$3) same (VO\$1 or
 L7: (1) 3 and 6
 L3: (54) descriptor\$3 same (decoders or decompressors)

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DBs: USPAT, US-PCPUB, EPO, JPO, DERWENT, BMTDB Buchs

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descriptor\$3 same (decoders or decompressors)

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1	<input type="checkbox"/>	<input type="checkbox"/>	US	20031030	9	Arrangement of images	348/222.1				Owens, James W. et	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
2	<input type="checkbox"/>	<input type="checkbox"/>	US	20031009	35	Data storewidth accelerator	710/68				Fallon, James J.	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
3	<input type="checkbox"/>	<input type="checkbox"/>	US	20030515	13	Apparatus for taking up an	356/3				Riegl, Johannes et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
4	<input type="checkbox"/>	<input type="checkbox"/>	US	20030306	21	Intelligent fabric	370/395.21	370/395.64			Tinsley, David et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
5	<input type="checkbox"/>	<input type="checkbox"/>	US	20030306	15	Systems and methods for	345/762				Tinsley, David et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
6	<input type="checkbox"/>	<input type="checkbox"/>	US	20030227	19	Systems and method for	709/231	709/204;			Tinsley, David et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
7	<input type="checkbox"/>	<input type="checkbox"/>	US	20030130	12	Method for visual display of	725/153				Chevallier, Louis et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
8	<input type="checkbox"/>	<input type="checkbox"/>	US	20030130	37	Partial encryption and PID	380/217	380/216			Candelore, Brant L. et	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
9	<input type="checkbox"/>	<input type="checkbox"/>	US	20030123	9	Dynamic scene description	375/240.08	386/96			Westerink, Peter	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
10	<input type="checkbox"/>	<input type="checkbox"/>	US	20021024	13	Video transmission and	375/240.01				Martin, Francois	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
11	<input type="checkbox"/>	<input type="checkbox"/>	US	20020725	47	Task concurrency	709/102				Catthoor, Francky et	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
12	<input type="checkbox"/>	<input type="checkbox"/>	US	20020725	51	Content independent data	341/51				Fallon, James J.	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
13	<input type="checkbox"/>	<input type="checkbox"/>	US	20020627	16	System and method for	375/240				Fallon, James J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
14	<input type="checkbox"/>	<input type="checkbox"/>	US	20020613	6	Implementation of media	348/100	348/101			Lifshitz, Zvi	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
15	<input type="checkbox"/>	<input type="checkbox"/>	US	20020606	29	Systems and methods for	713/2				Fallon, James J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
16	<input type="checkbox"/>	<input type="checkbox"/>	US	20020321	30	Multimedia data	725/32				Ando, Tsubomu	<input checked="" type="checkbox"/>	<input type="checkbox"/>				

Ready NUM

US-PAT-NO:

6404814

DOCUMENT-IDENTIFIER: US 6404814 B1

TITLE:

Transcoding method and
predictively-coded object
predictively-coded block

----- KWIC -----

Detailed Description Text - DETX (53):

FIG. 4A is a block diagram showing the structure for predictively coding an object-based picture signal.

U.S. Patent

Jun. 11, 2002

Sheet 4 of 17

US 6,404,814 B1

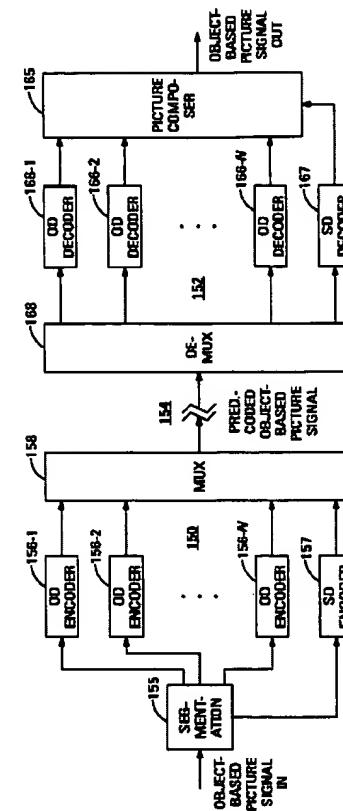


FIG. 4A

	Document ID	Kind Code	Source	Issue D	Pages
1	US 2003020		US-PGP	2003103	9
2	US 2003004		US-PGP	2003030	21
3	US 2003004		US-PGP	2003030	15
4	US 2003004		US-PGP	2003022	19
5	US 2003001		US-PGP	2003012	9
6	US 2002015		US-PGP	2002102	13
7	US 2002009		US-PGP	2002072	47
8	US 2002002		US-PGP	2002022	12
9	US 2001002		US-PGP	2001100	38
10	US 2001000		US-PGP	2001051	9
11	US 6567427		USPAT	2003052	46
12	US 6404814		USPAT	2002061	43
13	EP 933939	A1, A4	EPO	1999080	51

	Document ID	Kind Code	Source	Issue D	Pages

	Document ID	Kind Code	Source	Issue D	Pages

US-PAT-NO:

6404814

DOCUMENT-IDENTIFIER: US 6404814 B1

TITLE:

Transcoding method and
predictively-coded object-based
predictively-coded block-based
picture signal

----- KWIC -----

Detailed Description Text - DETX (53):

FIG. 4A is a block diagram showing the st
predictively coding an object-based picture

Document	I	Kind	Code	Source	Issue	D	Pages
14		US	2002007		US-PPG	2002061	6
15		US	2002006		US-PPG	2002060	29
16		US	2002003		US-PPG	2002032	30
17		US	2002002		US-PPG	2002022	12
18		US	2001005		US-PPG	2001121	29
19	*	US	2001002		US-PPG	2001100	38
20		US	2001000		US-PPG	2001070	21
21		US	2001000		US-PPG	2001051	9
22		US	6624761		USPAT	2003092	51
23		US	6615293		USPAT	2003090	49
24	*	US	6611262		USPAT	2003082	43
25		US	6604158		USPAT	2003080	33
26		US	6601104		USPAT	2003072	33
27	*	US	6567427		USPAT	2003052	46
28	*	US	6556221		USPAT	2003042	50
29	*	US	6438171		USPAT	2002082	6
30		US	6404814		USPAT	2002061	43
31		US	6381507		USPAT	2002043	55

(12) United States Patent
Apostolopoulos et al.(10) Patent No.: US 6,404,814 B1
(45) Date of Patent: Jun. 11, 2002

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Shih-Pu Chang et al., "Manipulation and compressing of MC-DCT compressed video", IEEE Journal on Selected Areas in Communications, vol. 13, iss. 1, pp. 1-11, Jan. 1995.

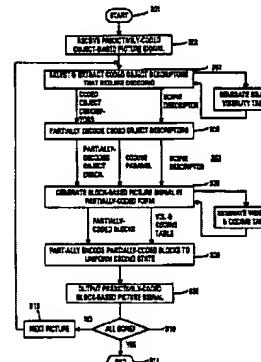
* cited by examinee

Primary Examiner—Vu Le

(57) ABSTRACT

A predictively-coded object-based picture signal representing a group of pictures is transcoded into a predictively-coded block-based picture signal representing the group of pictures by extracting a scene descriptor and a coded object descriptor from the predictively-coded object-based picture signal. The coded scene descriptor is decoded to generate a scene descriptor. The coded object descriptors are partially decoded to generate respective partially-decoded object descriptors. The decoding extracts coding information that describes the predictive coding of the coded object descriptor. In response to the scene descriptor, a frame of a predictively-coded block-based picture signal representing one of the frames in the current picture is generated from the predictively-coded object descriptors. Finally, a frame of the predictively-coded block-based picture signal representing the current picture is generated by predictively coding the coding state in response to the coding information.

32 Claims, 17 Drawing Sheets



US-PAT-NO: 6611262

DOCUMENT-IDENTIFIER: US 6611262 B1

TITLE: Generation of a bit s
image/audio data that is multiplex
in ascii format

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Detailed Description Text - DETX (27):

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 [Details](#)  [Text](#)  [Image](#)  [HTML](#)

	Document	I	Kind	Code	Source	Issue	D	Pages
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8	US	2003002			US-PGP	2003013	37	
9	US	2003001			US-PGP	2003012	9	
10	US	2002015			US-PGP	2002102	13	
11	US	2002009			US-PGP	2002072	47	
12	US	2002009			US-PGP	2002072	51	
13	US	2002008			US-PGP	2002062	16	
14	US	2002007			US-PGP	2002061	6	
15	US	2002006			US-PGP	2002060	29	
16	US	2002003			US-PGP	2002032	30	
17	US	2002002			US-PGP	2002022	12	
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19	US	2001002			US-PGP	2001100	38	
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21	US	2001000			US-PGP	2001051	9	
22	US	6624761			USPAT	2003092	51	
23	US	6615293			USPAT	2003090	49	
24	US	6611262			USPAT	2003082	43	

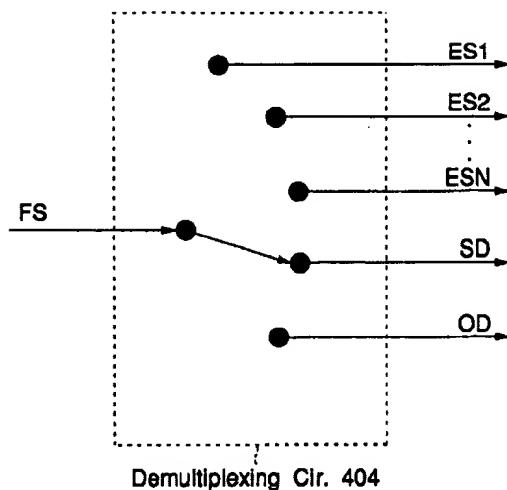
U.S. Patent Aug. 26, 2003 Sheet 8 of 26 **US 6,611,262**

Aug. 26, 2003

Sheet 8 of 26

US 6,611,262 B1

FIG.9



Digitized by srujanika@gmail.com

 Details  Text  Images  HTML  Full

US-PAT-NO: 6624761

DOCUMENT-IDENTIFIER: US 6624761 B2

• TITLE: Content independent of

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Detailed Description Text - DETX (41):

A decoder module 1104 includes a plurality of decoder modules 1104 for decoding the input data block using a decoder module 1104 sequentially.

	Document	I	Kind	Code	Source	Issue	D	Page
5	US	2003004			US-PGP	2003030	15	
6	US	2003004			US-PGP	2003022	19	
7	US	2003002			US-PGP	2003013	12	
8	US	2003002			US-PGP	2003013	37	
9	US	2003001			US-PGP	2003012	9	
10	US	2002015			US-PGP	2002102	13	
11	US	2002009			US-PGP	2002072	47	
12	US	2002009			US-PGP	2002072	51	
13	US	2002008			US-PGP	2002062	16	
14	US	2002007			US-PGP	2002061	6	
15	US	2002006			US-PGP	2002060	29	
16	US	2002003			US-PGP	2002032	30	
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18	US	2001005			US-PGP	2001121	29	
19	US	2001002			US-PGP	2001100	38	
20	US	2001000			US-PGP	2001070	21	
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22	US	6624761			USPAT	2003092	51	

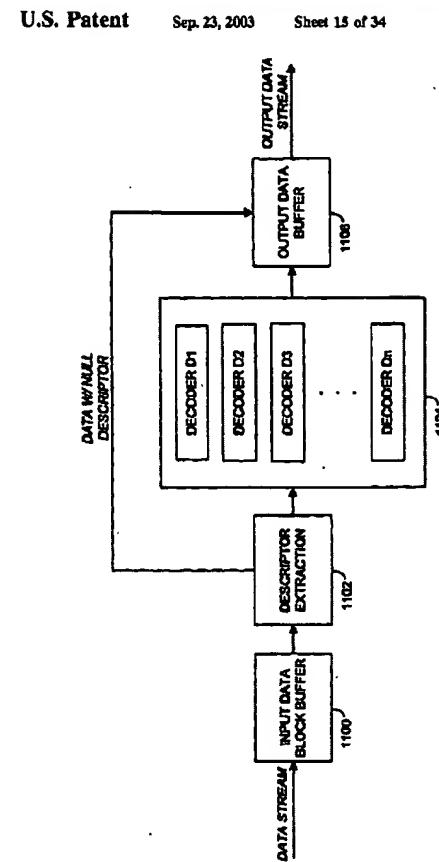


FIG 11